
 b) ~~transmitting said primary data signal over a broadband channel to said plurality of transceivers;~~

c) transmitting an index signal from said transmitting station to said plurality of receivers, wherein said index signal comprises a plurality of index data packets, each said index data packet corresponding to a respective one of said primary data packets and containing address information addressing a specific one of said receivers;

d) receiving and decoding said index signal at said plurality of receivers;

e) determining and selecting, at each said receiver, those primary data packets in said primary data signal that are intended for said receiver based on address information in said index data signals;

f) ~~extracting and decoding the selected primary data packets in said primary data signal at said plurality of receivers.~~

  
8. ~~(Twice Amended) A method of transmitting data in a digital communication system between a transmitting station and a plurality of receivers, said transmitting method comprising:~~

a) transmitting a primary data signal from said transmitting station to a relay station, wherein said primary data signal contains a plurality of primary data packets, each said primary data packet intended for a specific one of said receivers;

b) ~~extracting a plurality of index data packets from said primary data signal at said relay station, wherein each said index data packet corresponds to a respective~~

~~one of said primary data packets and contains address information addressing a specific one of said receivers;~~

c) re-transmitting said primary data signal from said relay station to said plurality of receivers;

d) transmitting an index signal from said relay station to said plurality of receivers, wherein said index signal contains said plurality of index data packets extracted from said primary data signal for selecting said primary data packets in said primary data signal;

e) receiving and decoding said index signal at said plurality of receivers;

f) determining and selecting, at each said receiver, those primary data packets in said primary data signal that are intended for said receiver based on address information in said index data signal;

g) extracting and decoding the selected primary data packets in said primary data signal at said plurality of receivers.